

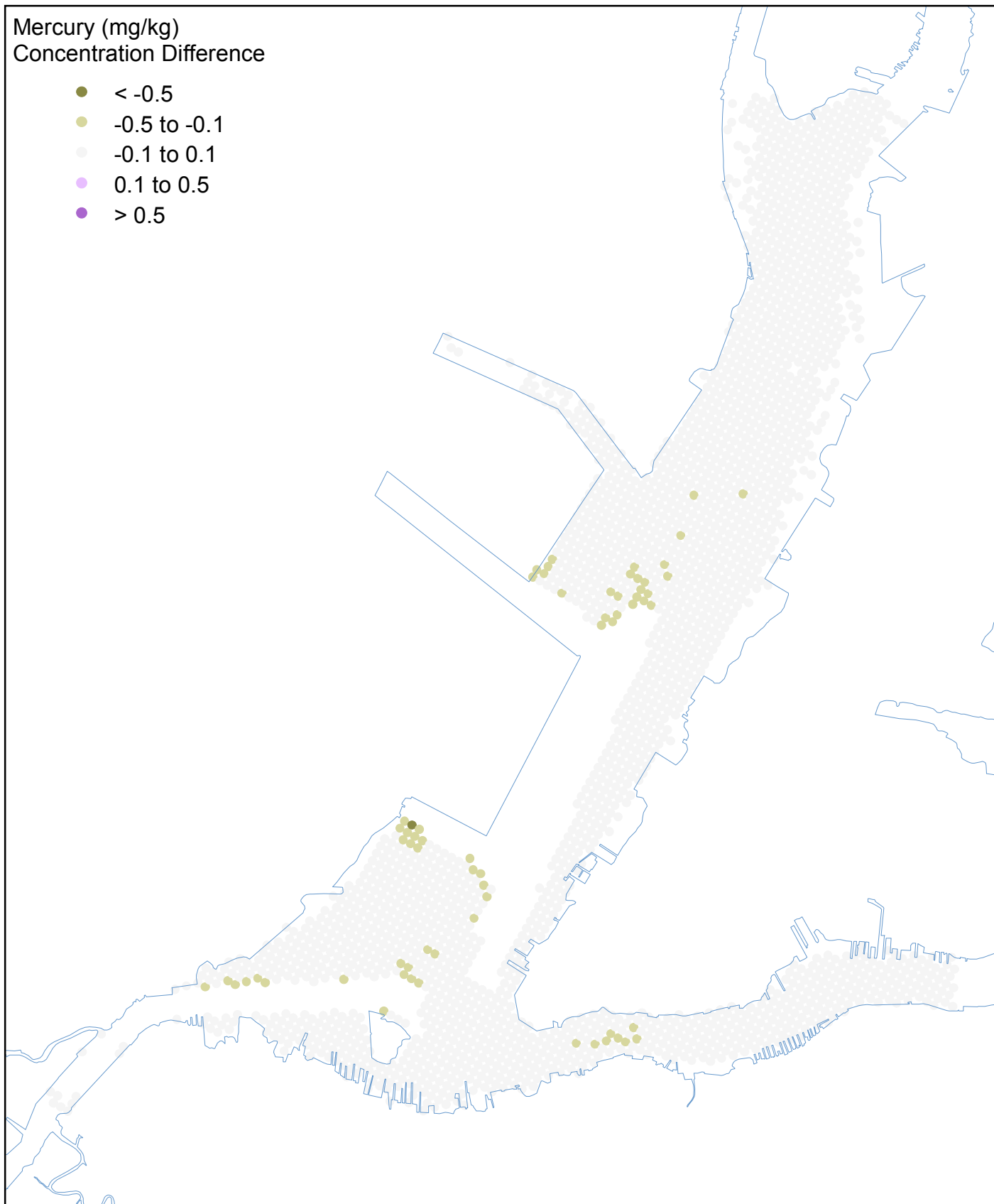
US Army Corps of Engineers  
New York District

Figure 4-12a

Mercury: comparison of existing surface sediment concentrations  
with post HDP concentrations predicted by the model

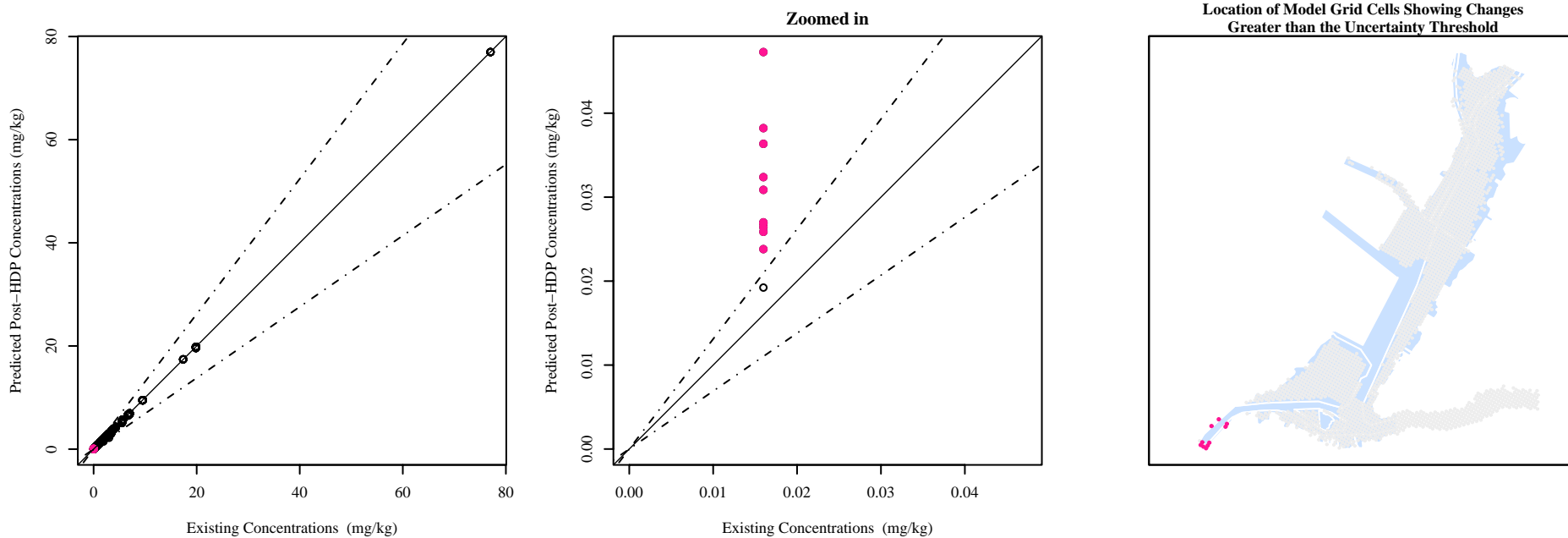
Mercury (mg/kg)  
Concentration Difference

- < -0.5
- -0.5 to -0.1
- -0.1 to 0.1
- 0.1 to 0.5
- > 0.5



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New York District

**Figure 4-12b**  
**Mercury: change in surface sediment**  
**concentrations due to dredging**  
**as predicted by the model**

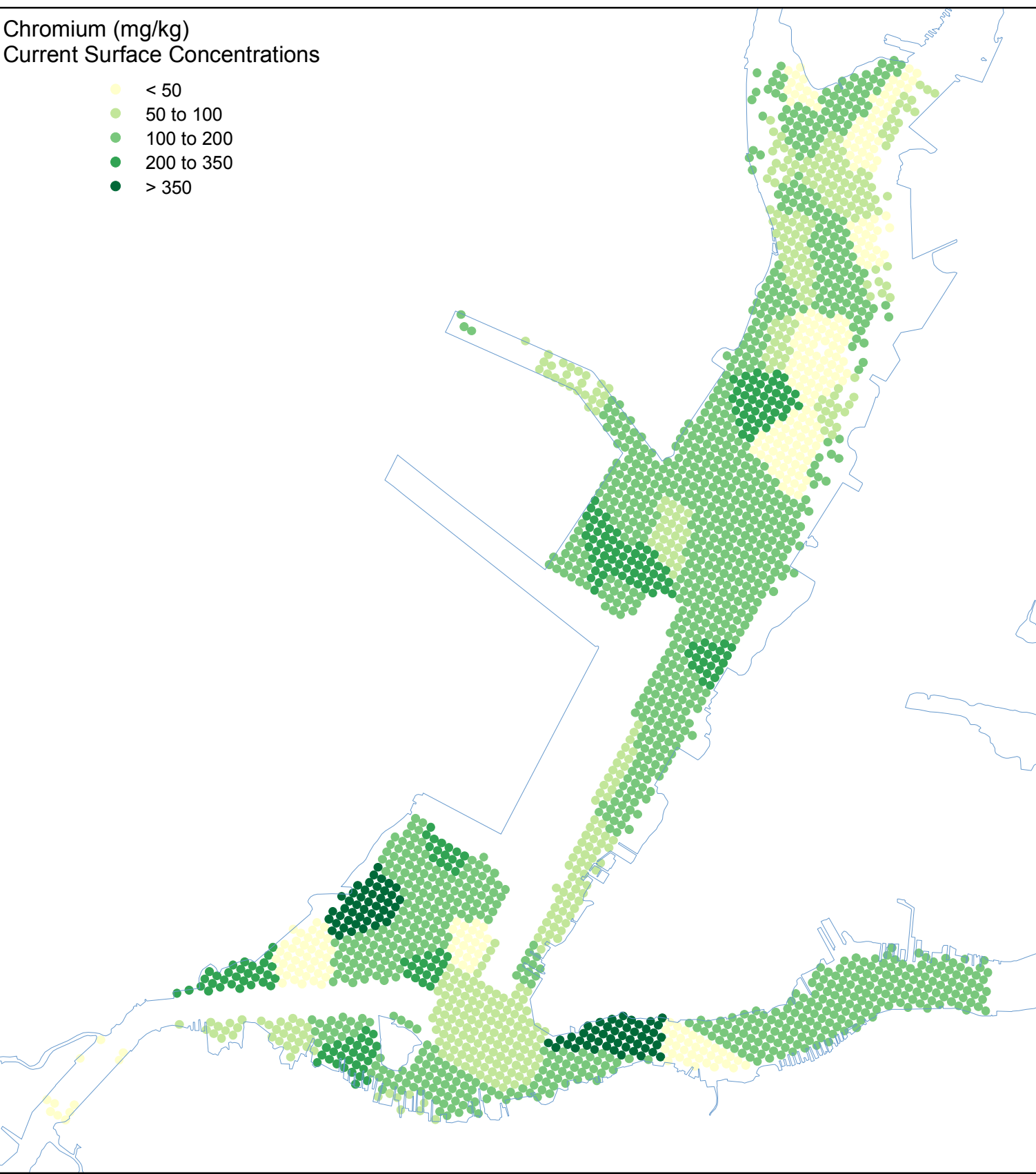


**Figure 4-12c. Mercury : Predicted changes in surface sediment concentrations that are greater than the uncertainty threshold**

*Predicted changes were greater than the uncertainty threshold in points colored pink. Dashed line represents the boundaries of the uncertainty threshold. See text for more details.*

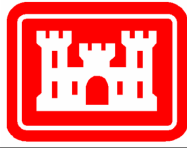
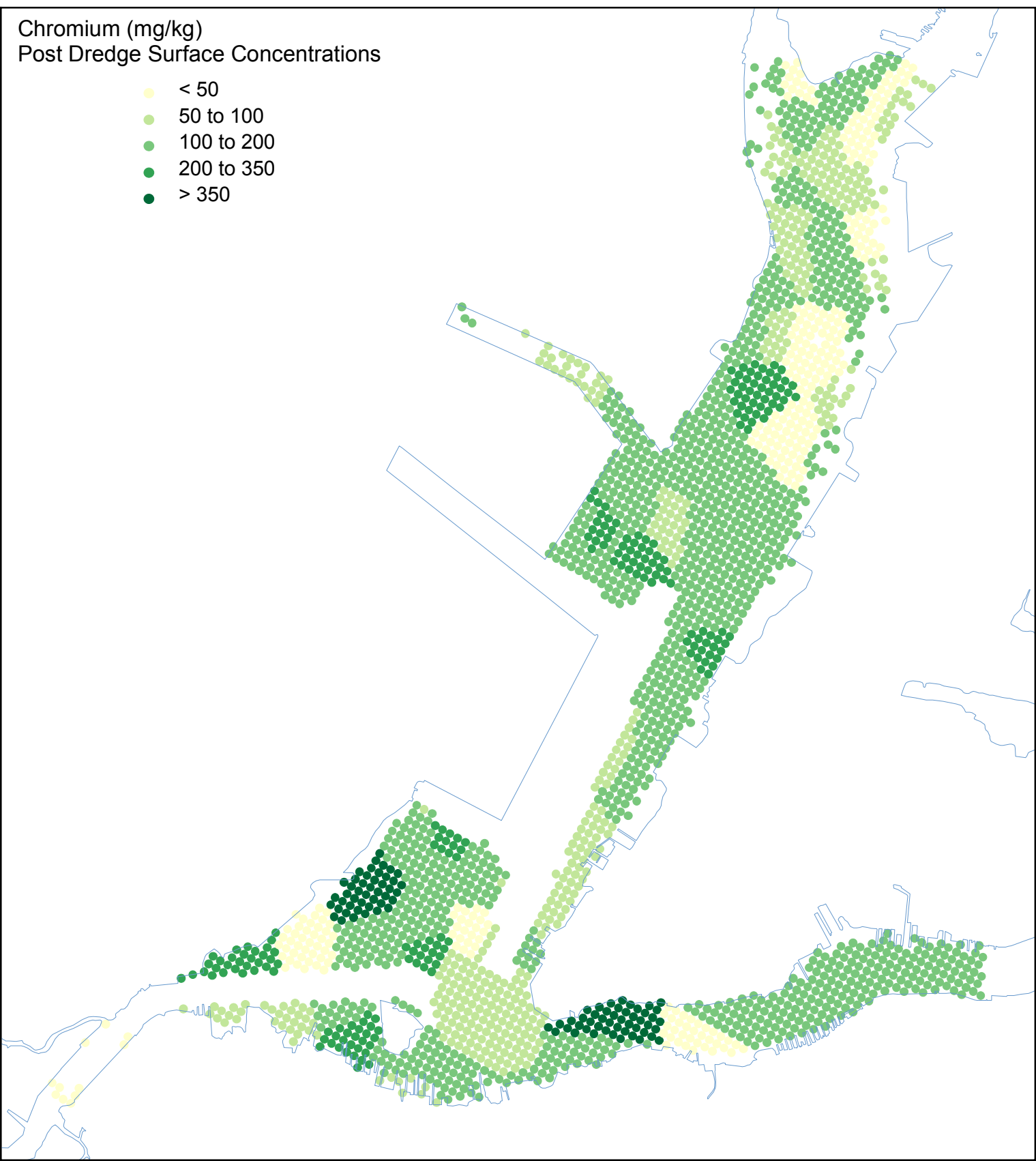
Chromium (mg/kg)  
Current Surface Concentrations

- < 50
- 50 to 100
- 100 to 200
- 200 to 350
- > 350



Chromium (mg/kg)  
Post Dredge Surface Concentrations

- < 50
- 50 to 100
- 100 to 200
- 200 to 350
- > 350

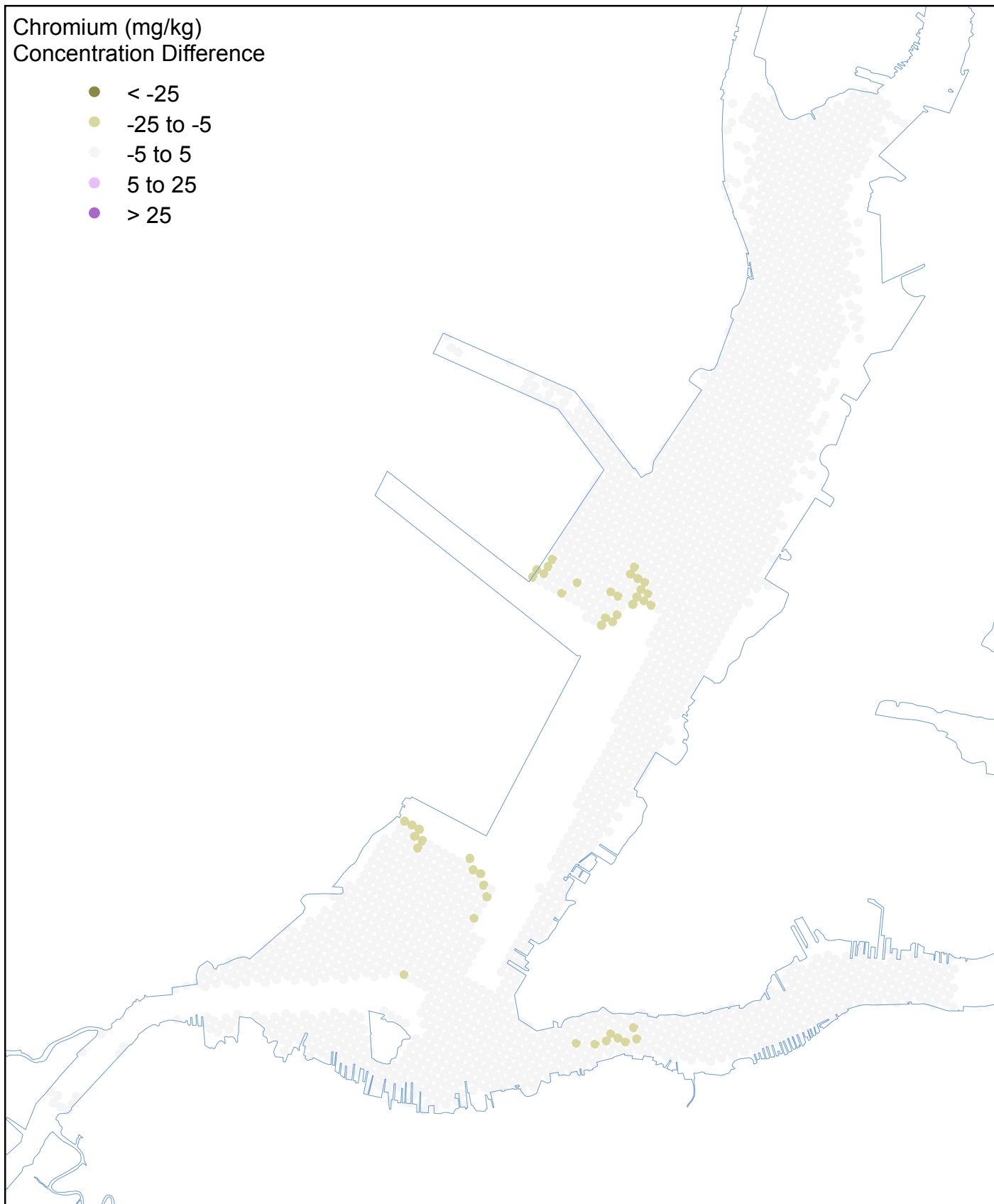


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New York District

**Figure 4-13a**  
**Chromium: comparison of existing surface sediment concentrations**  
**with post HDP concentrations predicted by the model**

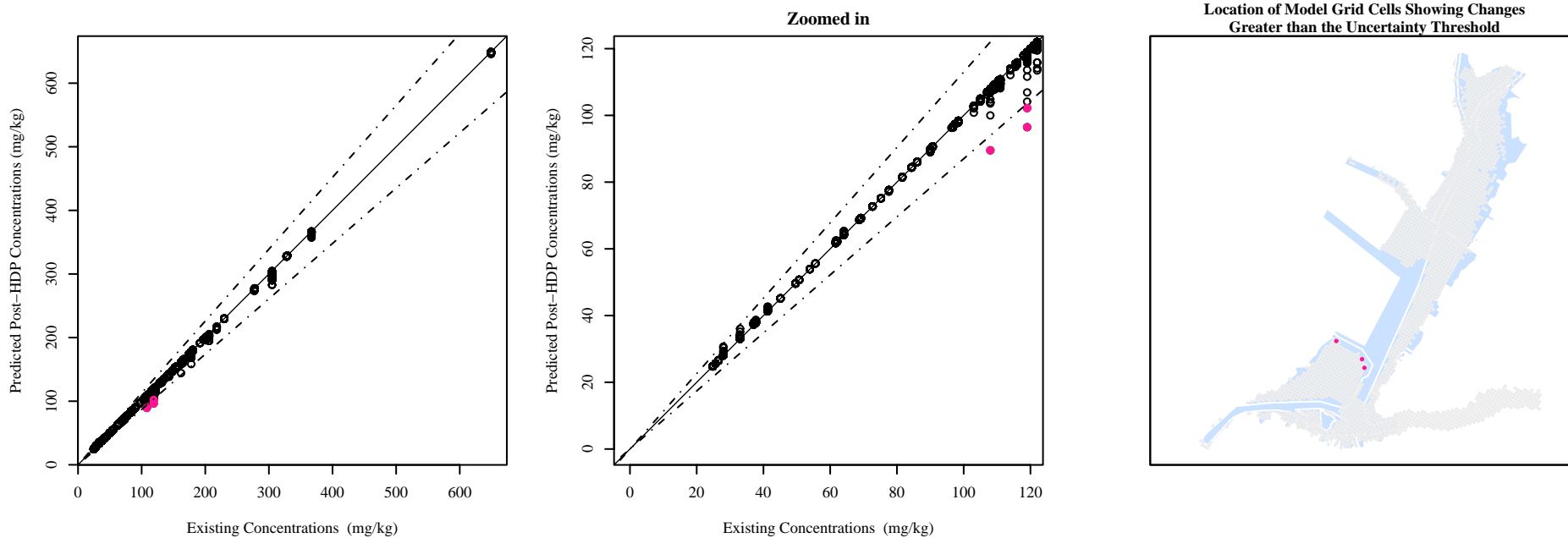
Chromium (mg/kg)  
Concentration Difference

- < -25
- -25 to -5
- -5 to 5
- 5 to 25
- > 25



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**Figure 4-13b**  
**Chromium: change in surface sediment**  
**concentrations due to dredging**  
**as predicted by the model**



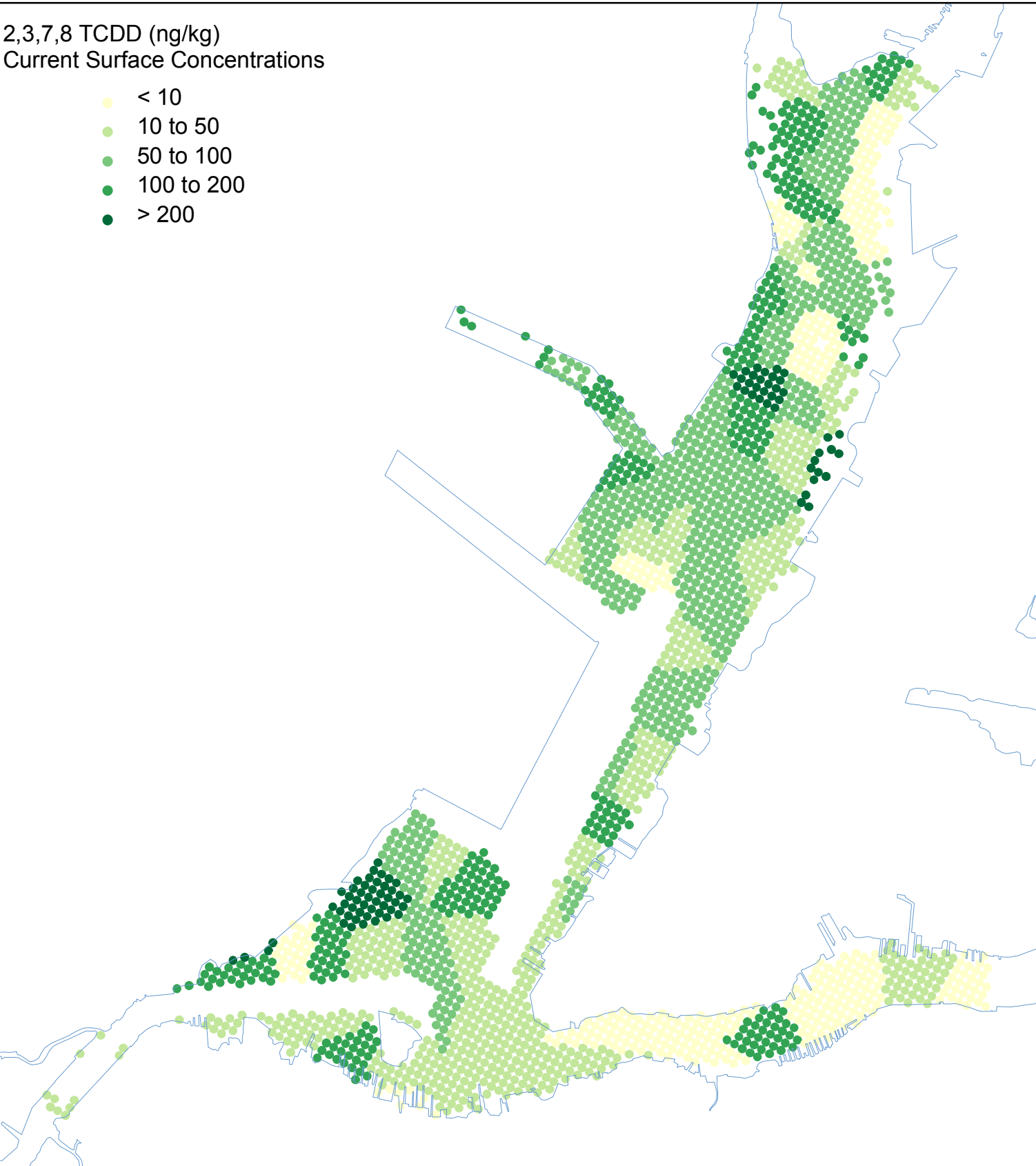
**Figure 4-13c. Chromium : Predicted changes in surface sediment concentrations that are greater than the uncertainty threshold**

*Predicted changes were greater than the uncertainty threshold in points colored pink. Dashed line represents the boundaries of the uncertainty threshold. See text for more details.*



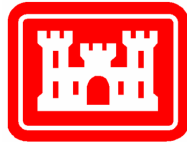
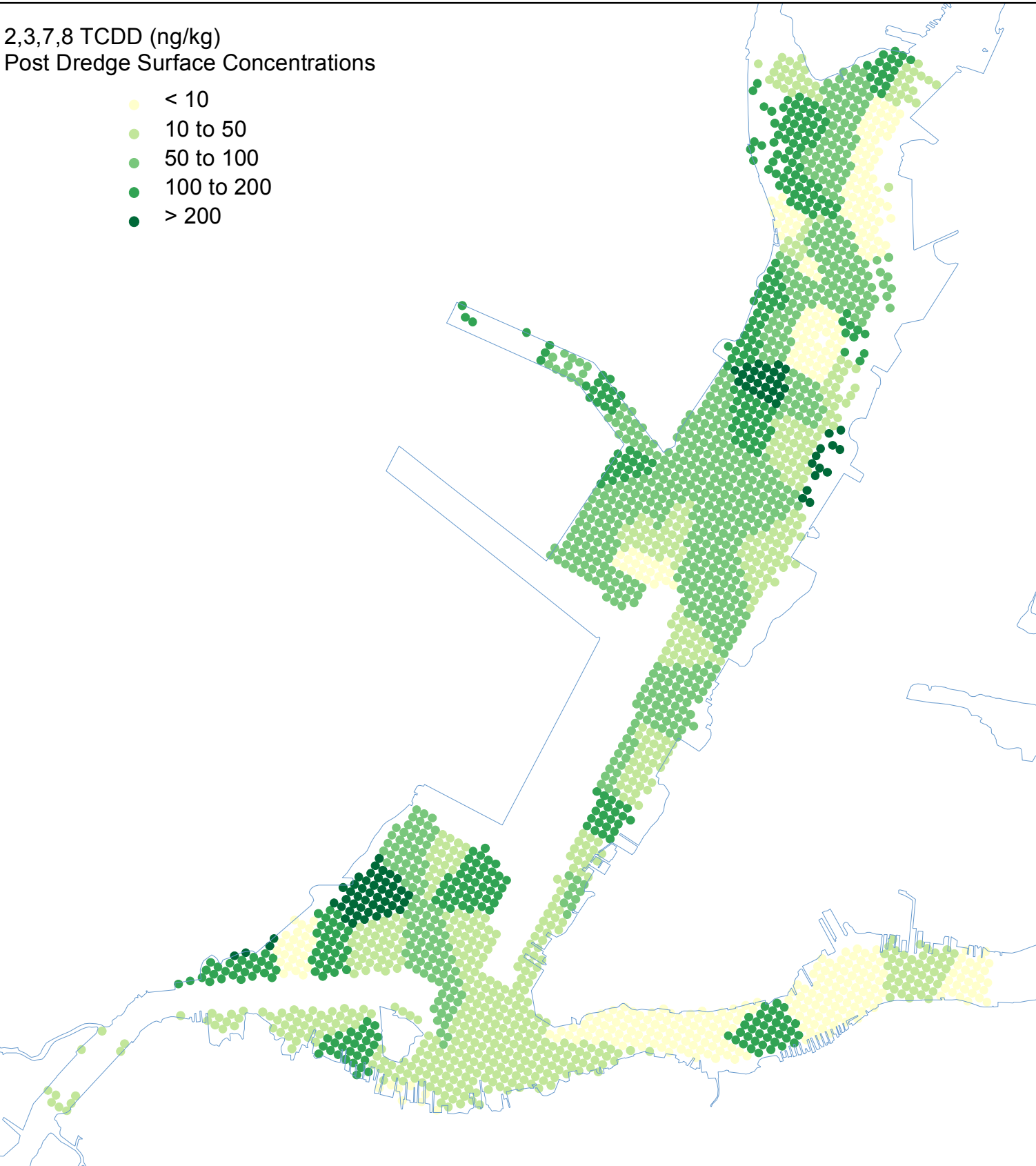
2,3,7,8 TCDD (ng/kg)  
Current Surface Concentrations

- < 10
- 10 to 50
- 50 to 100
- 100 to 200
- > 200



2,3,7,8 TCDD (ng/kg)  
Post Dredge Surface Concentrations

- < 10
- 10 to 50
- 50 to 100
- 100 to 200
- > 200



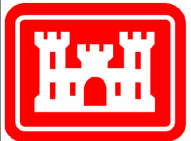
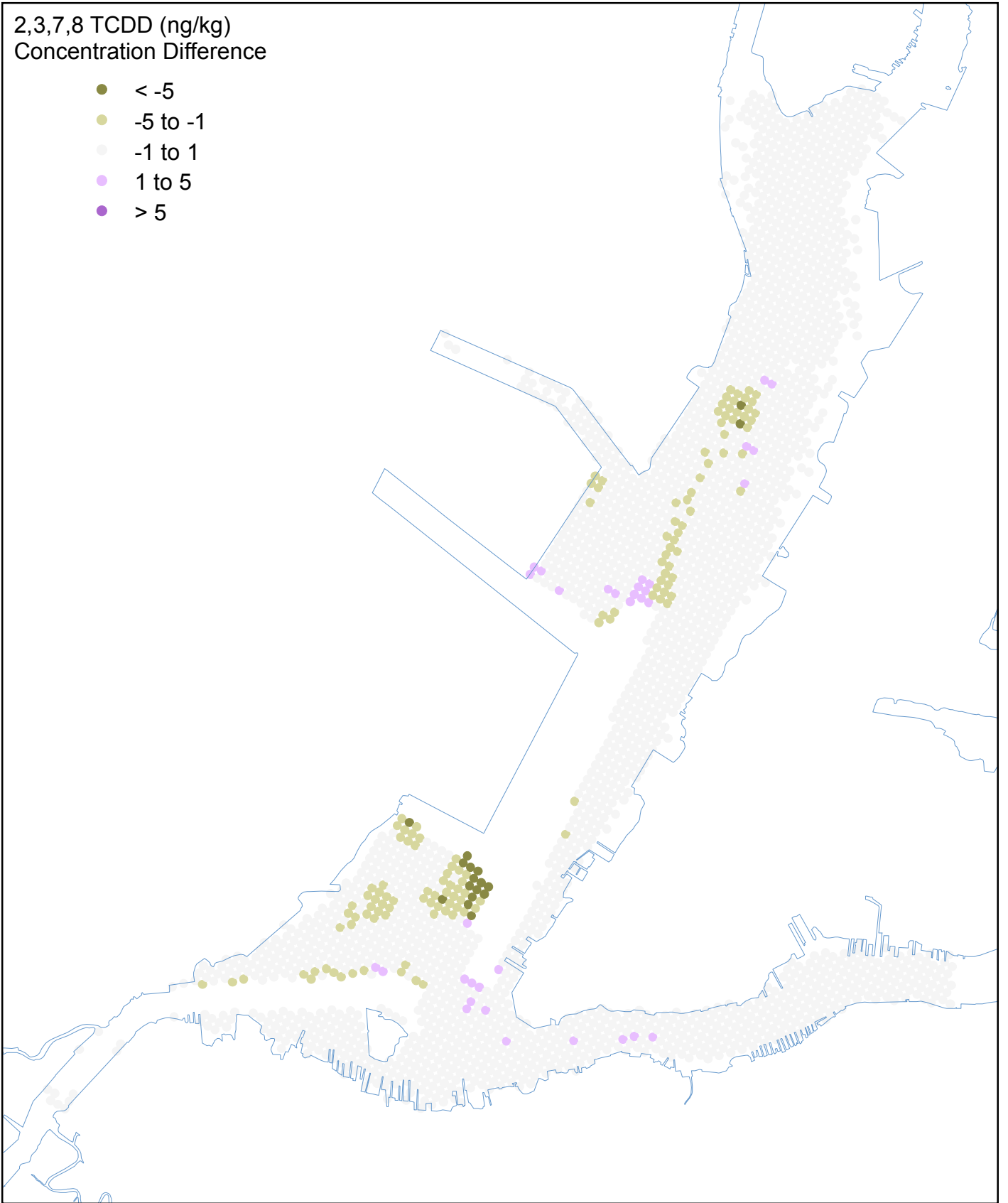
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Figure 4-14a

2,3,7,8 TCDD: comparison of existing surface sediment concentrations with post dredging concentrations predicted by the model, AEC analysis

2,3,7,8 TCDD (ng/kg)  
Concentration Difference

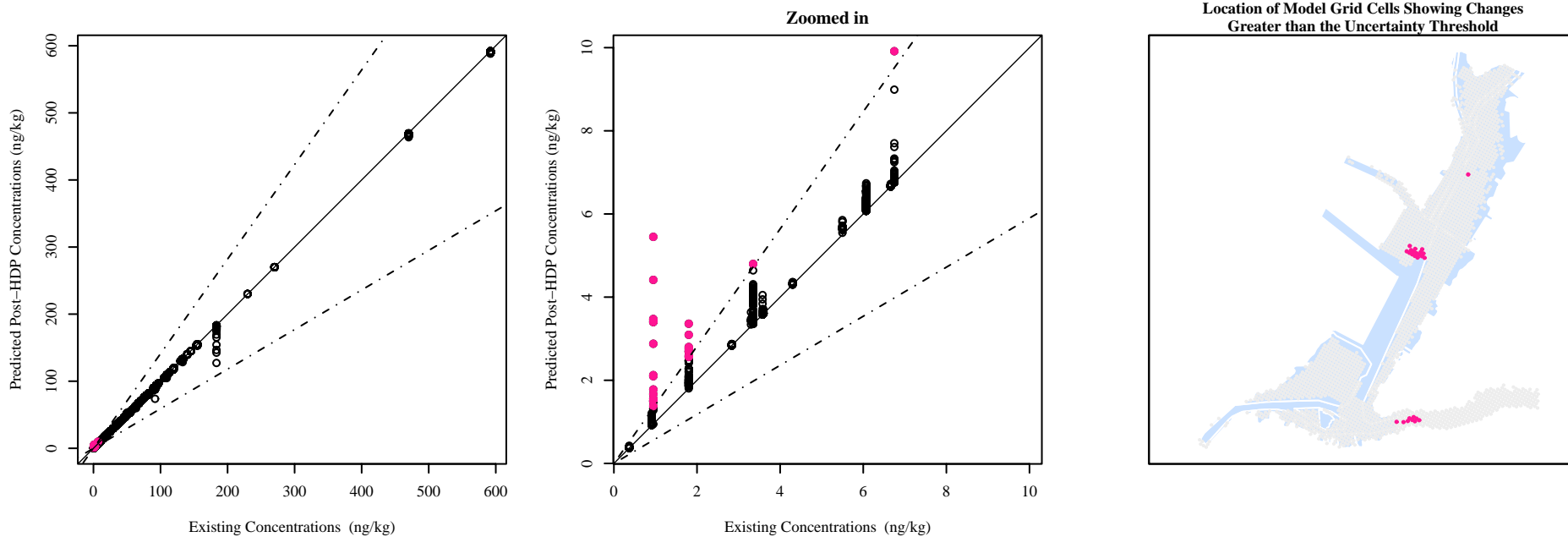
- < -5
- -5 to -1
- -1 to 1
- 1 to 5
- > 5



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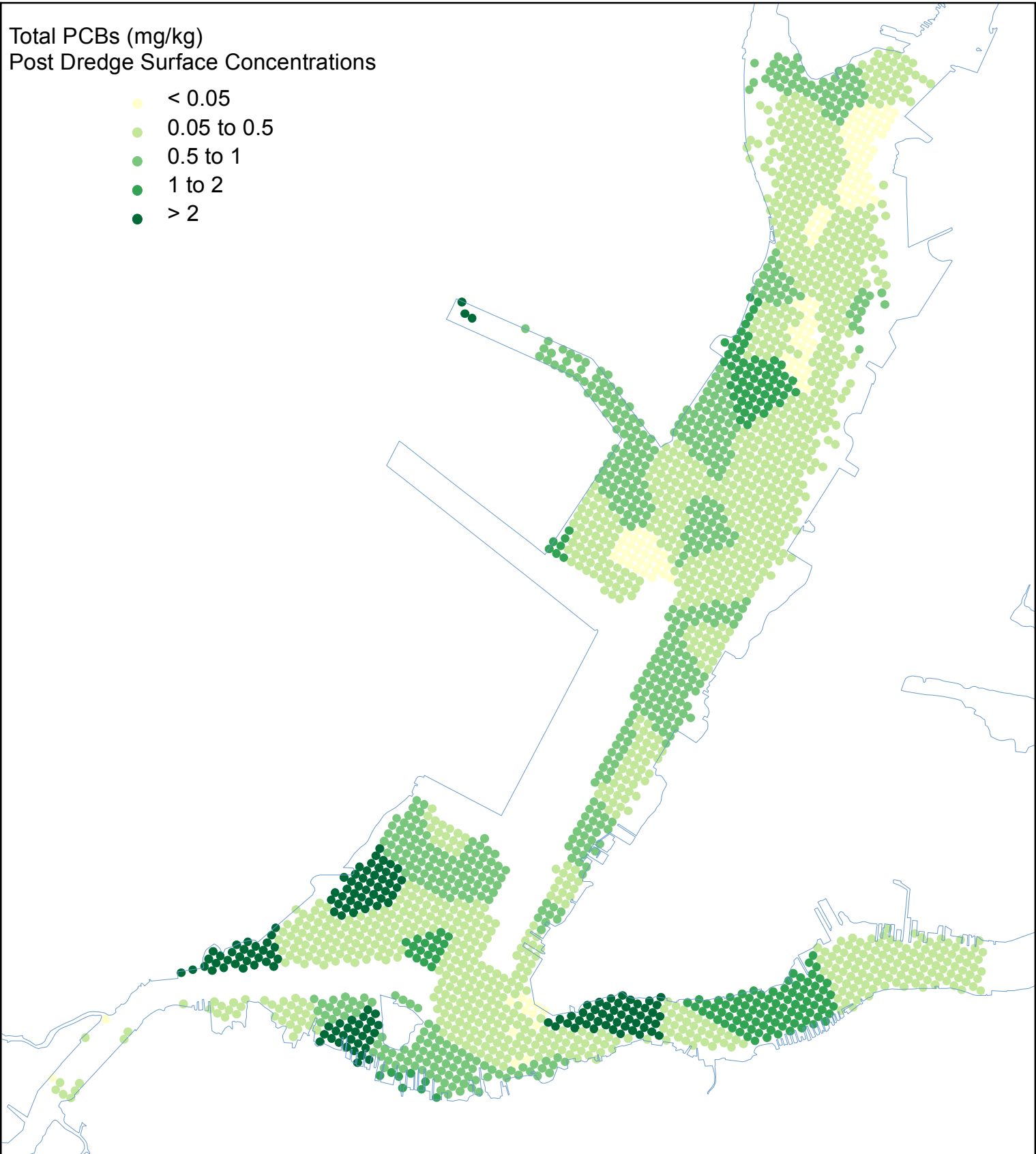
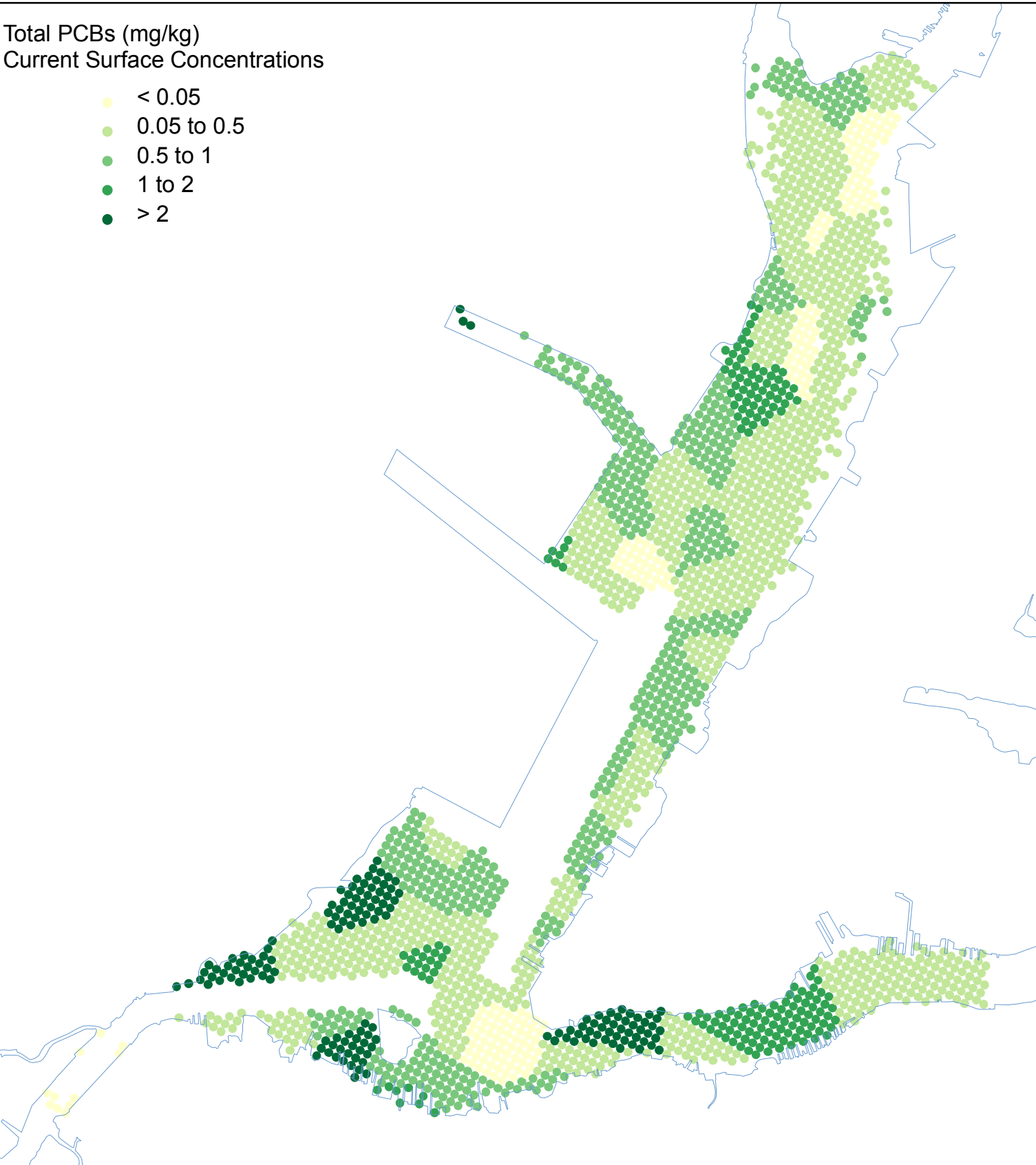
**Figure 4-14b**  
**2,3,7,8 TCDD: change in surface sediment**  
**concentrations due to dredging as predicted**  
**by the model, AEC analysis**





**Figure 4-14c. 2,3,7,8 TCDD : Predicted changes in surface sediment concentrations that are greater than the uncertainty threshold, AEC analysis**

*Predicted changes were greater than the uncertainty threshold in points colored pink. Dashed line represents the boundaries of the uncertainty threshold. See text for more details.*



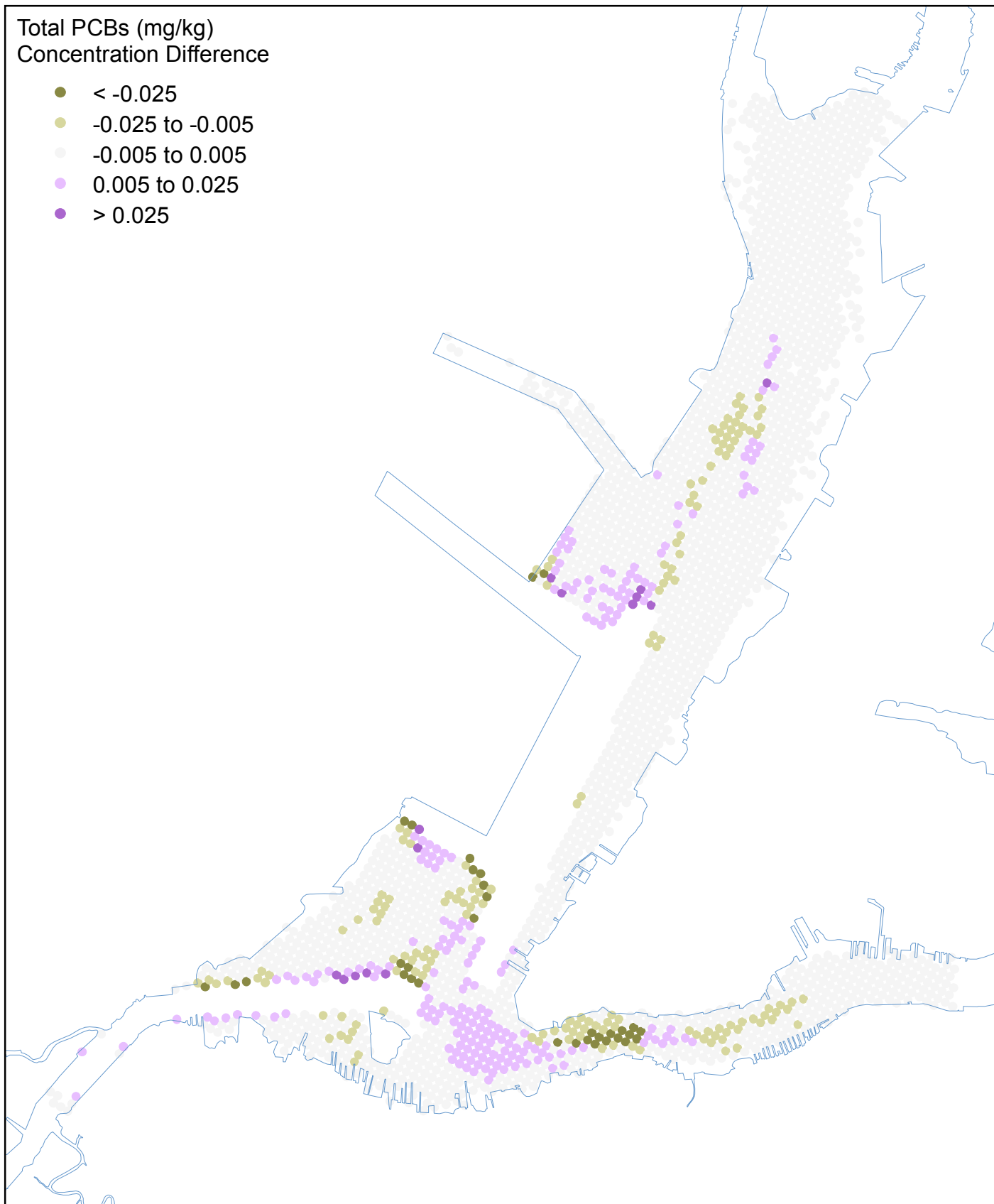
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**New York District**

**Figure 4-15a**

**Total PCBs: comparison of existing surface sediment concentrations with post dredging concentrations predicted by the model, AEC analysis**

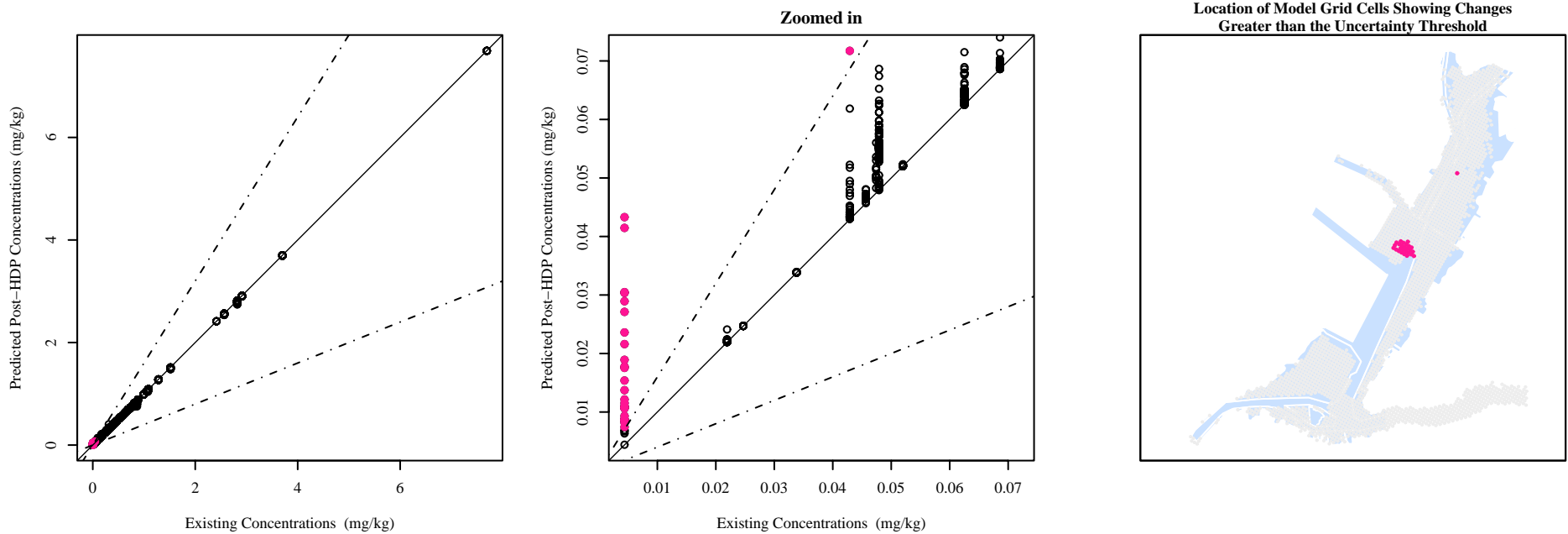
Total PCBs (mg/kg)  
Concentration Difference

- < -0.025
- -0.025 to -0.005
- -0.005 to 0.005
- 0.005 to 0.025
- > 0.025



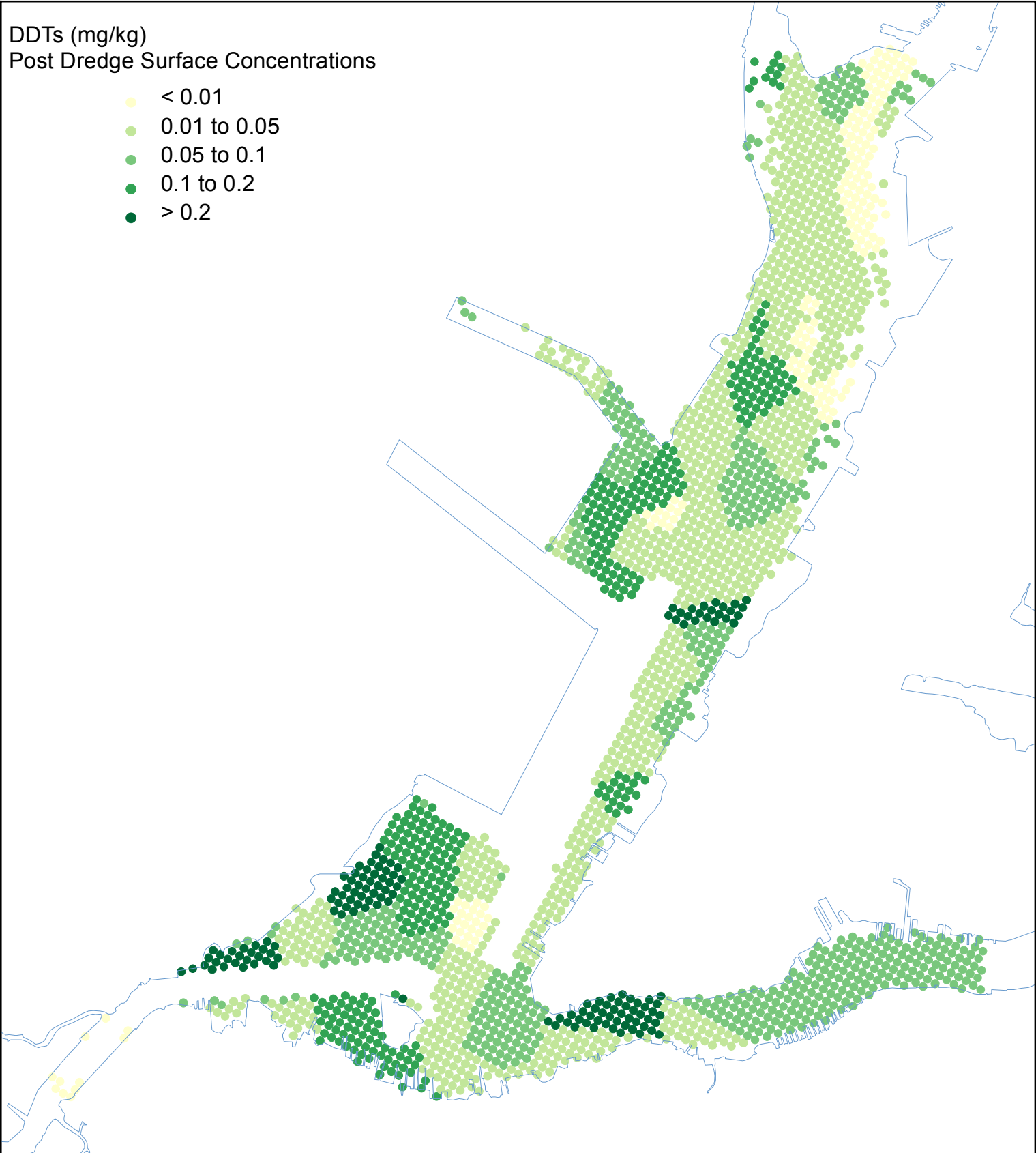
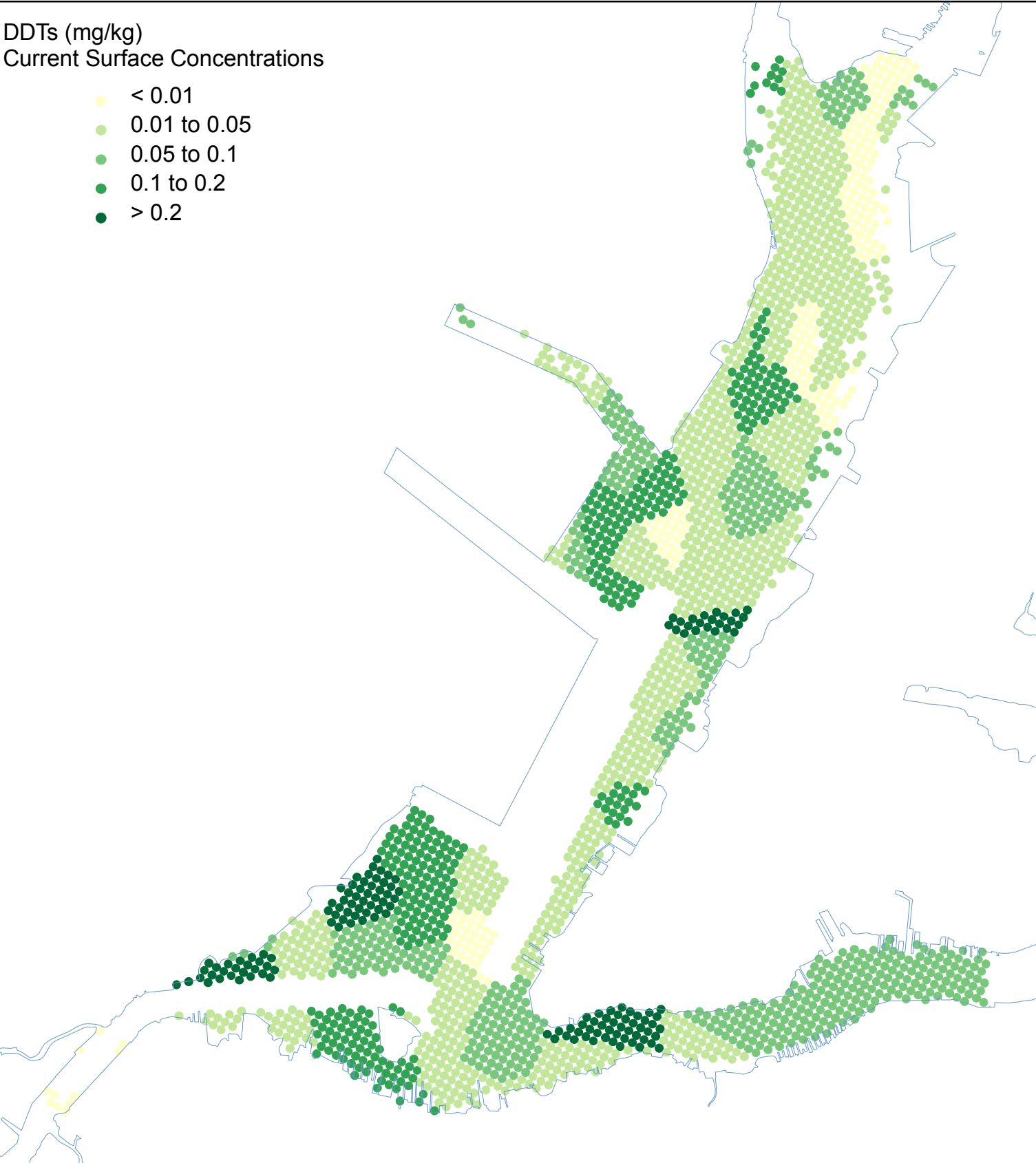
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**Figure 4-15b**  
**Total PCBs: change in surface sediment**  
**concentrations due to dredging as predicted**  
**by the model, AEC analysis**



**Figure 4-15c. Total PCBs : Predicted changes in surface sediment concentrations that are greater than the uncertainty threshold, AEC analysis**

*Predicted changes were greater than the uncertainty threshold in points colored pink. Dashed line represents the boundaries of the uncertainty threshold. See text for more details.*



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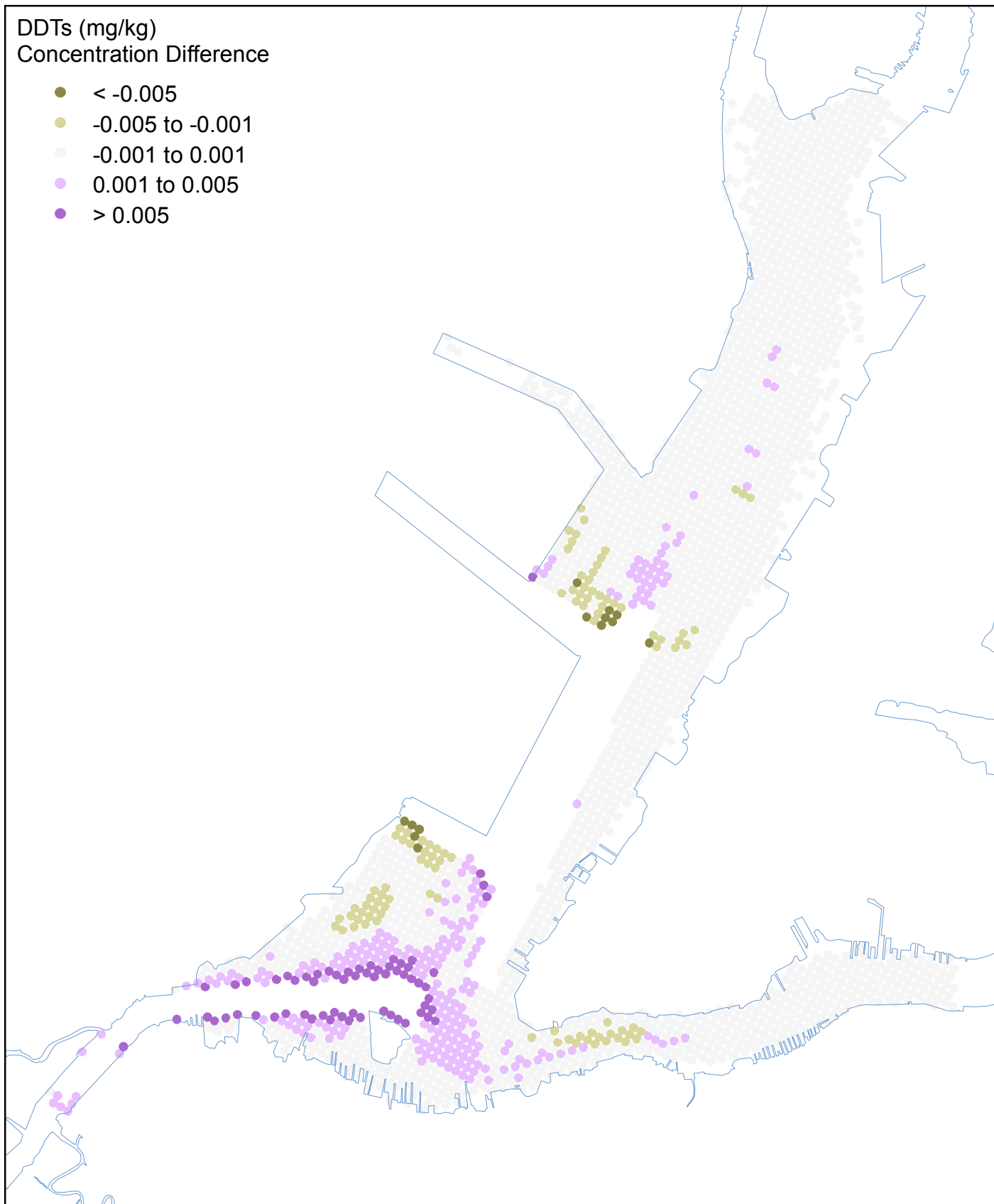
Figure 4-16a

DDTs: comparison of existing surface sediment concentrations with post dredging concentrations predicted by the model, AEC analysis



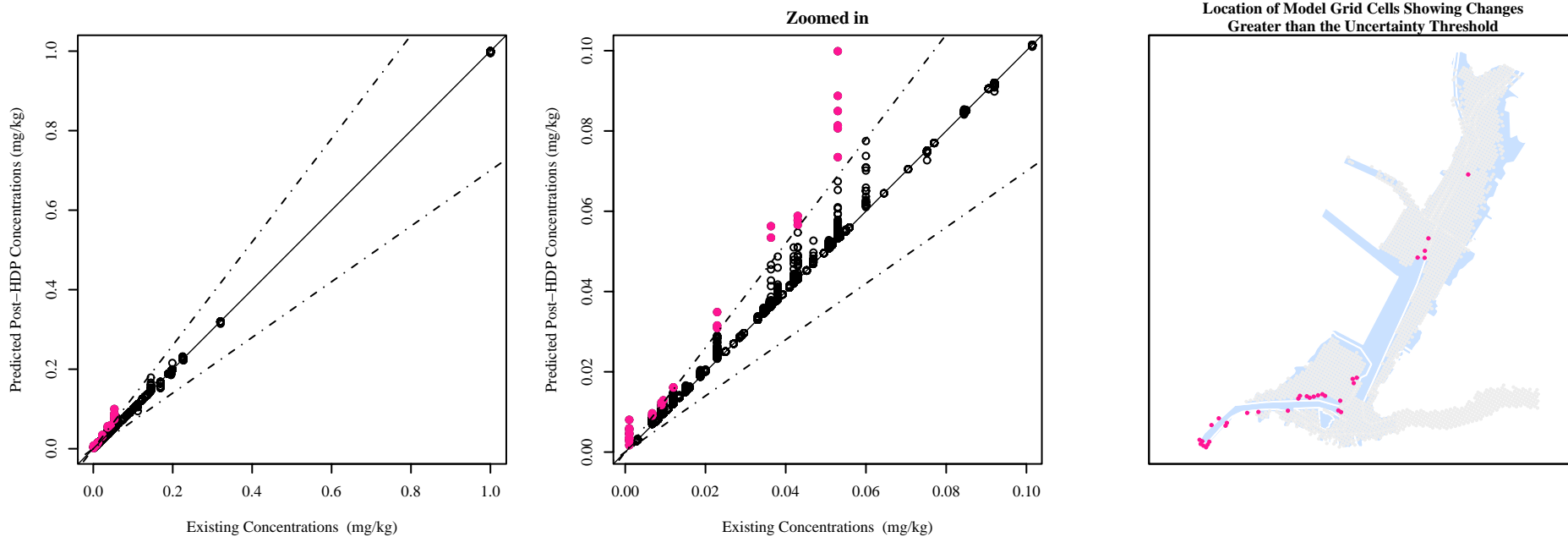
DDTs (mg/kg)  
Concentration Difference

- < -0.005
- -0.005 to -0.001
- -0.001 to 0.001
- 0.001 to 0.005
- > 0.005



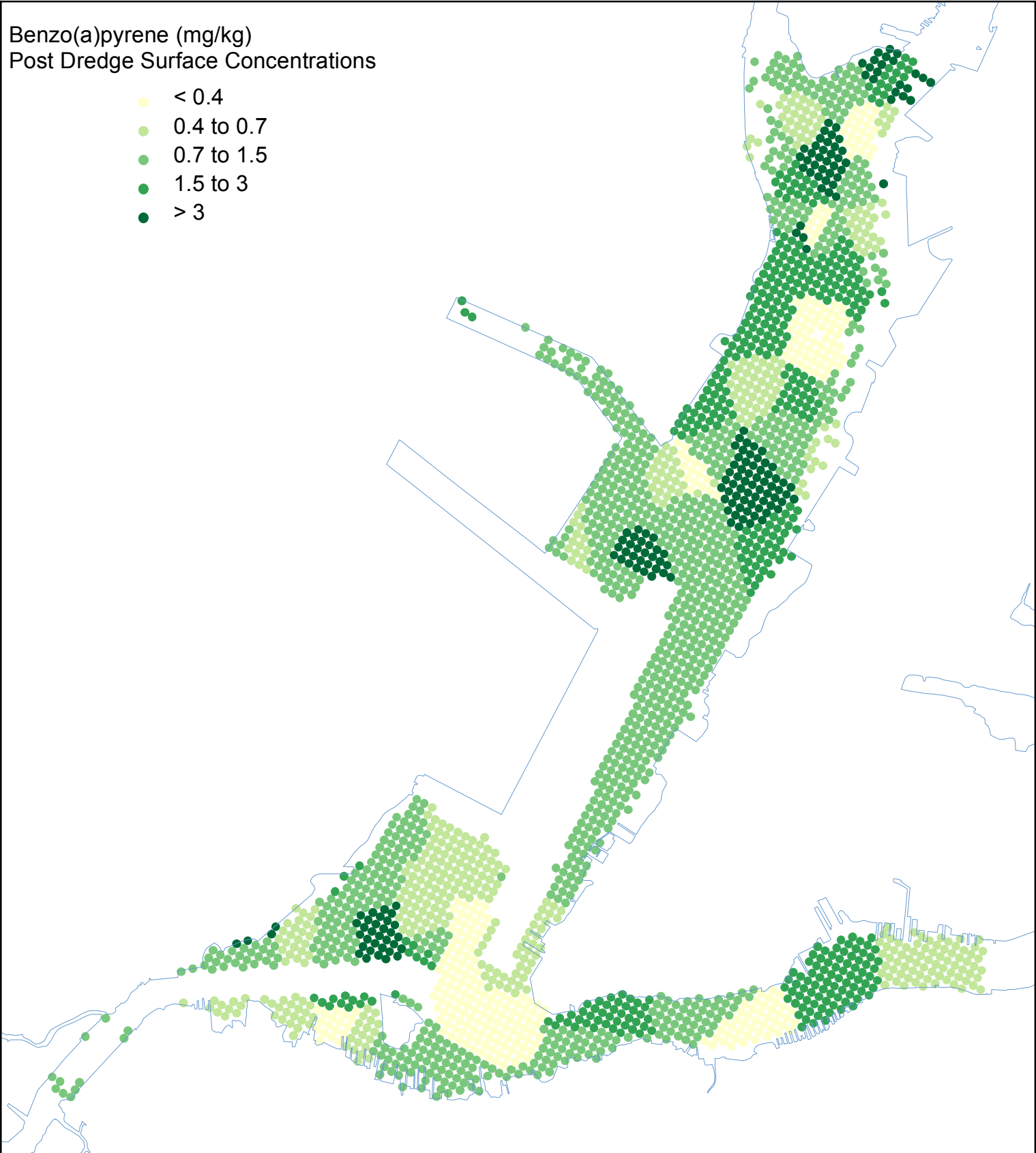
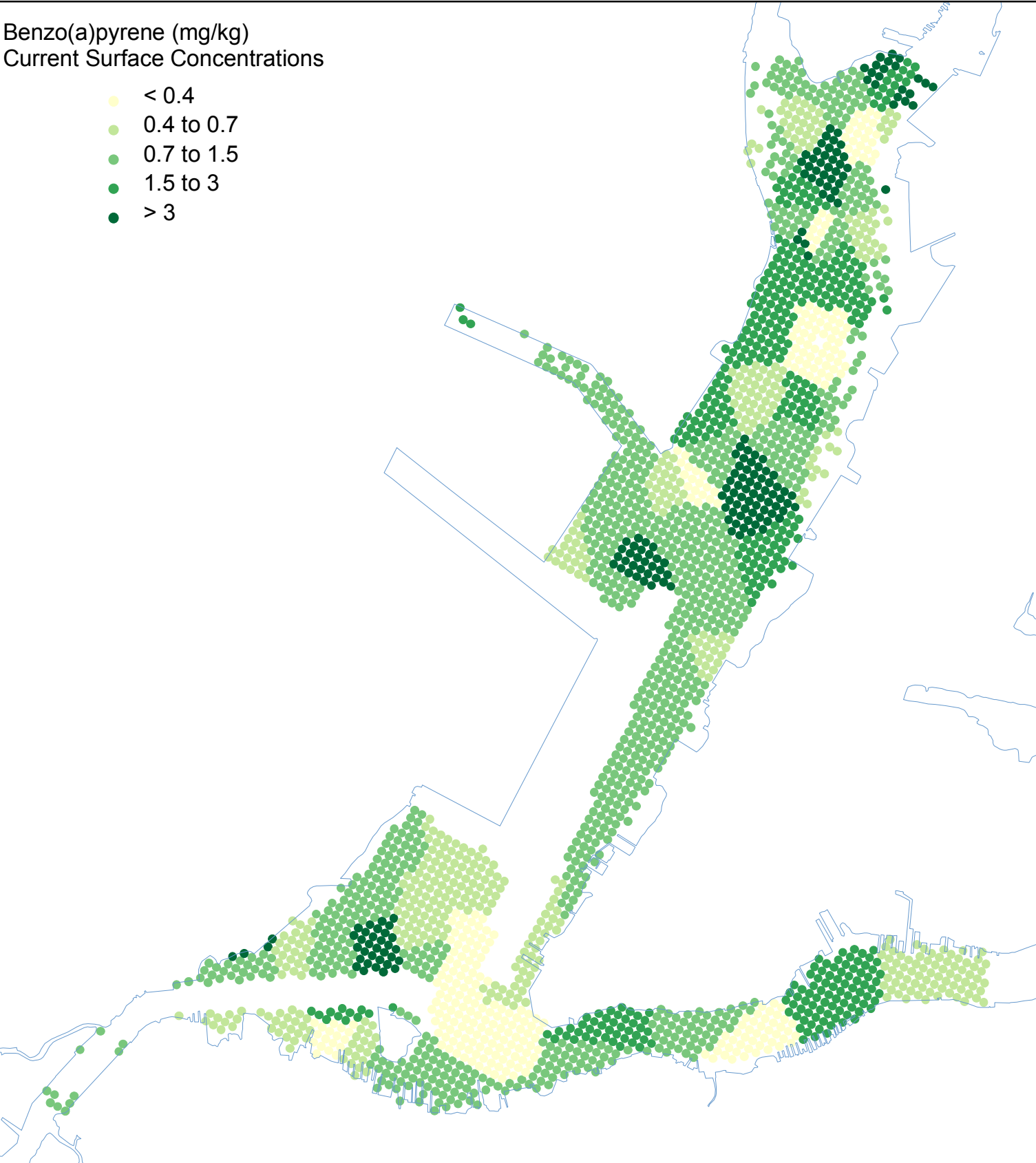
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**Figure 4-16b**  
**DDTs: change in surface sediment**  
**concentrations due to dredging as predicted**  
**by the model, AEC analysis**



**Figure 4-16c. DDT : Predicted changes in surface sediment concentrations that are greater than the uncertainty threshold, AEC analysis**

*Predicted changes were greater than the uncertainty threshold in points colored pink. Dashed line represents the boundaries of the uncertainty threshold. See text for more details.*

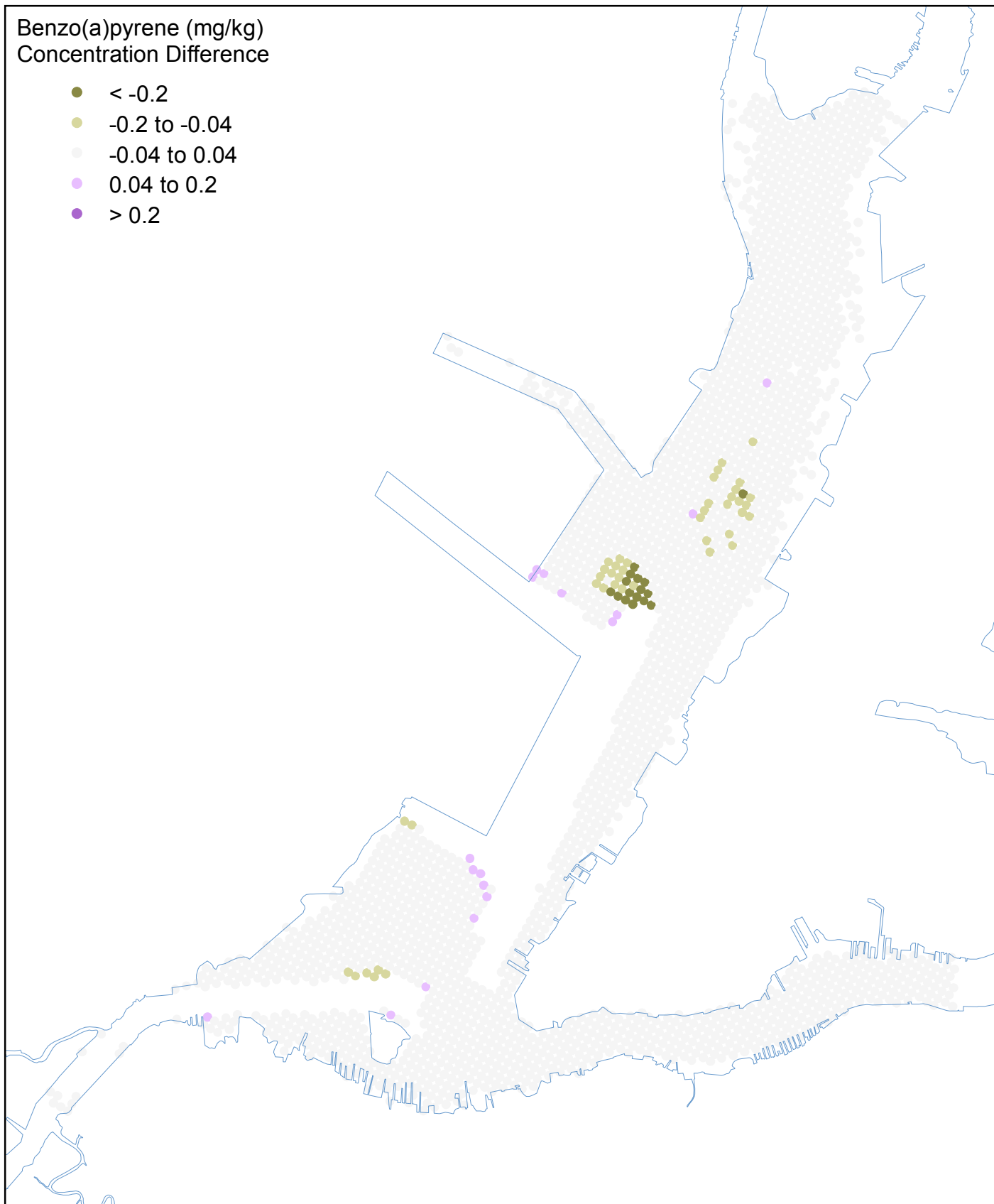


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**Figure 4-17a**  
**Benzo(a)pyrene: comparison of existing surface sediment concentrations with post dredging concentrations predicted by the model, AEC analysis**

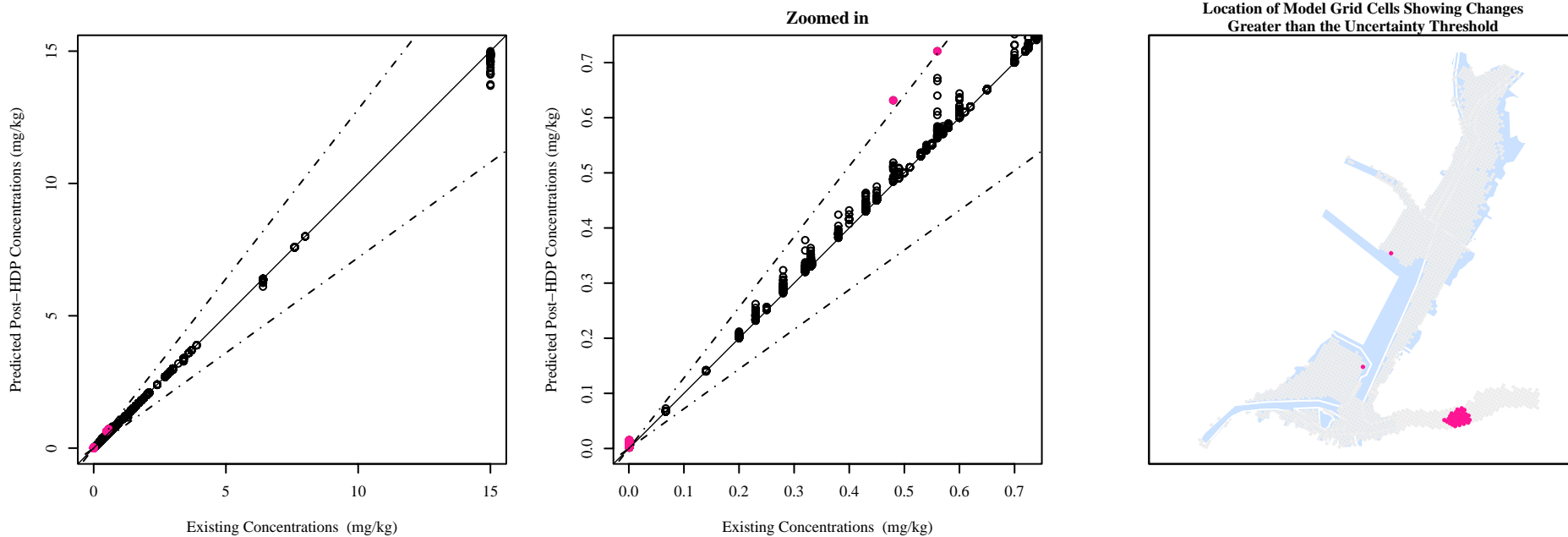
Benzo(a)pyrene (mg/kg)  
Concentration Difference

- < -0.2
- -0.2 to -0.04
- -0.04 to 0.04
- 0.04 to 0.2
- > 0.2



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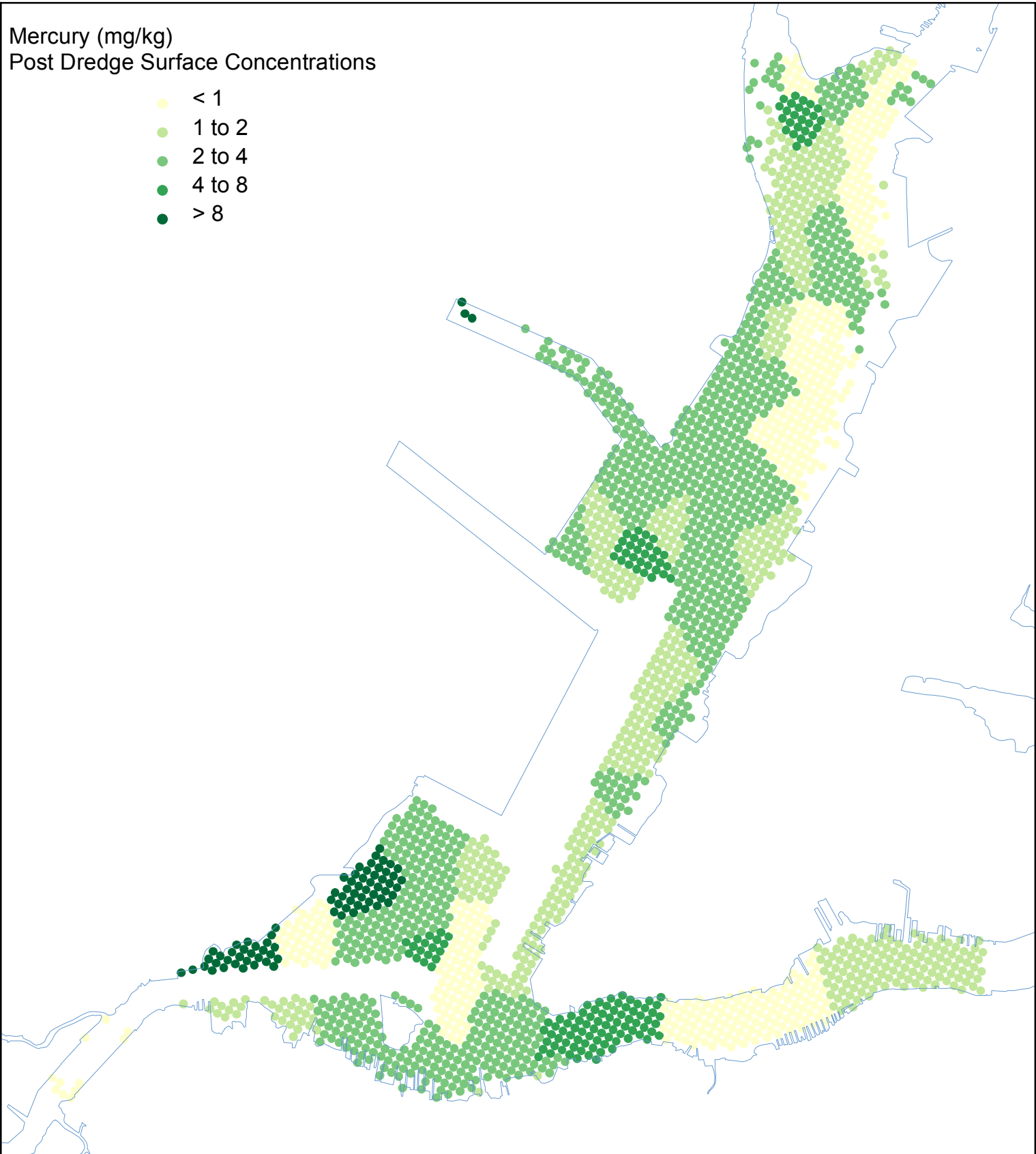
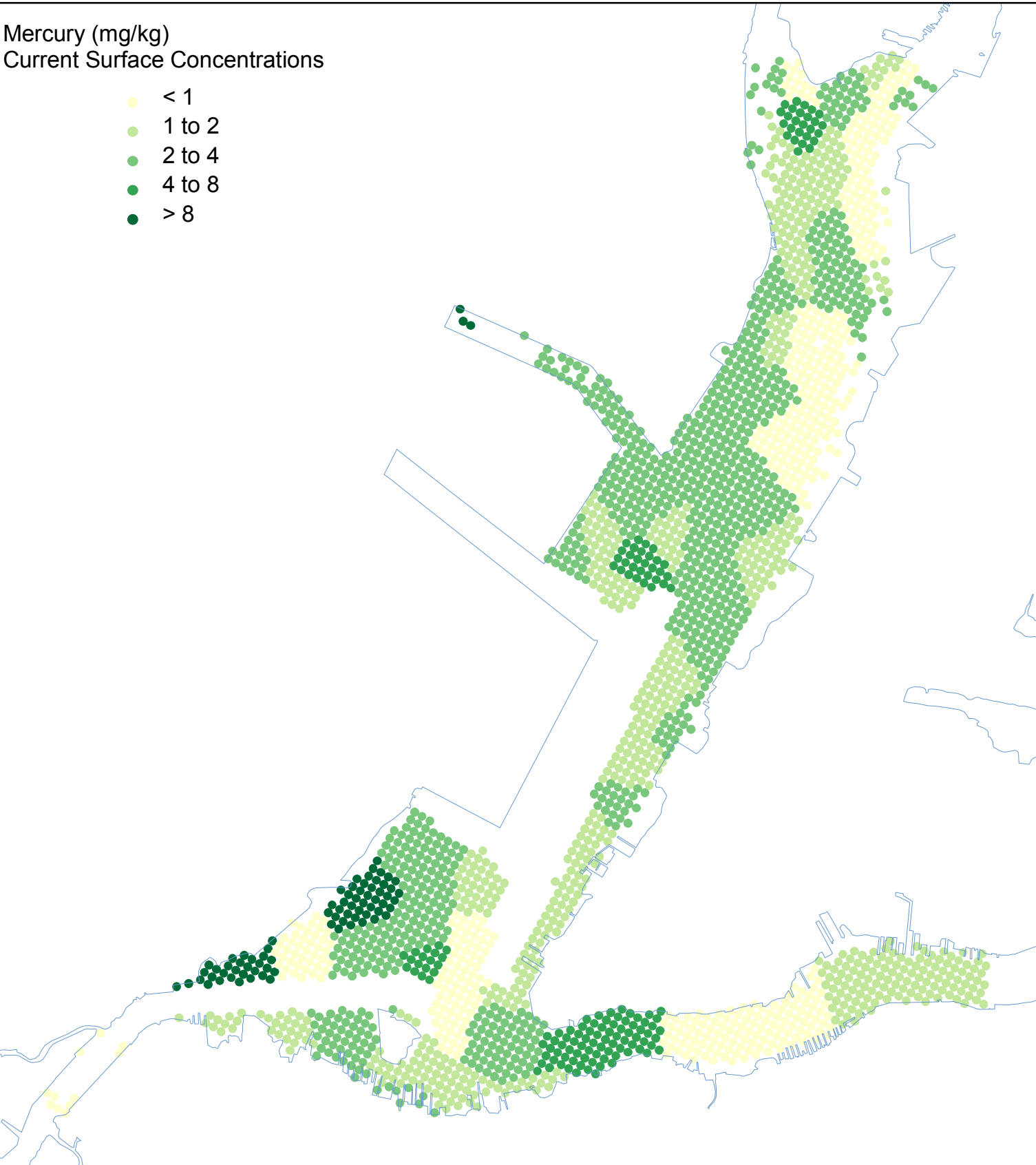
**Figure 4-17b**  
**Benzo(a)pyrene: change in surface sediment**  
**concentrations due to dredging as predicted**  
**by the model, AEC analysis**



**Figure 4-17c. Benzo(a)pyrene : Predicted changes in surface sediment concentrations that are greater than the uncertainty threshold, AEC analysis**

*Predicted changes were greater than the uncertainty threshold in points colored pink. Dashed line represents the boundaries of the uncertainty threshold. See text for more details.*





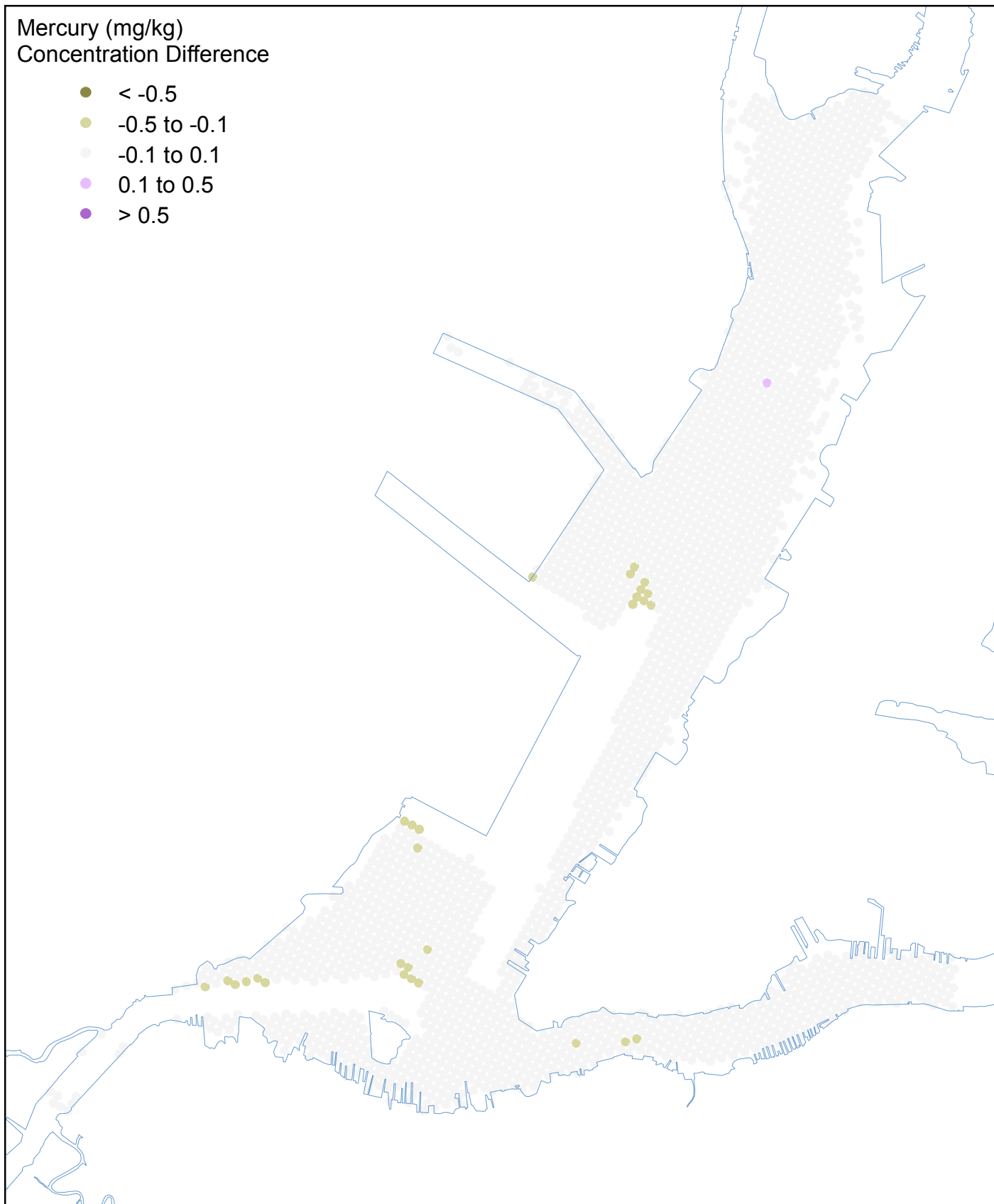
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Figure 4-18a

Mercury: comparison of existing surface sediment concentrations with post dredging concentrations predicted by the model, AEC analysis

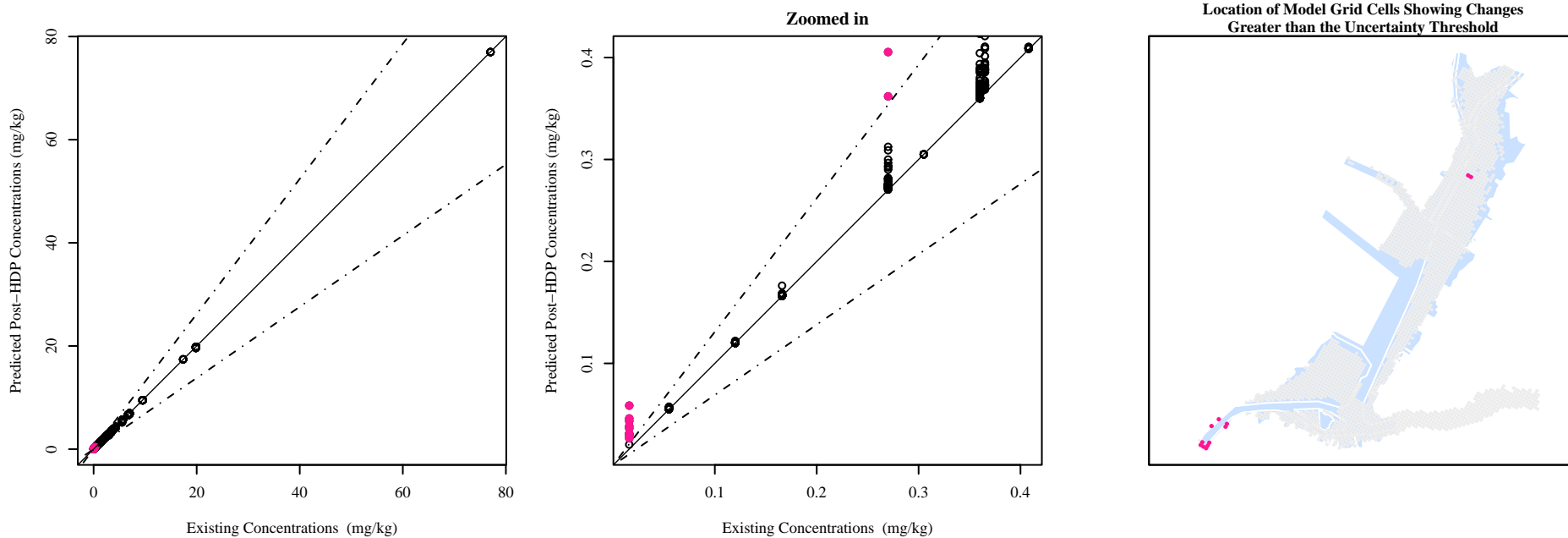
Mercury (mg/kg)  
Concentration Difference

- < -0.5
- -0.5 to -0.1
- -0.1 to 0.1
- 0.1 to 0.5
- > 0.5



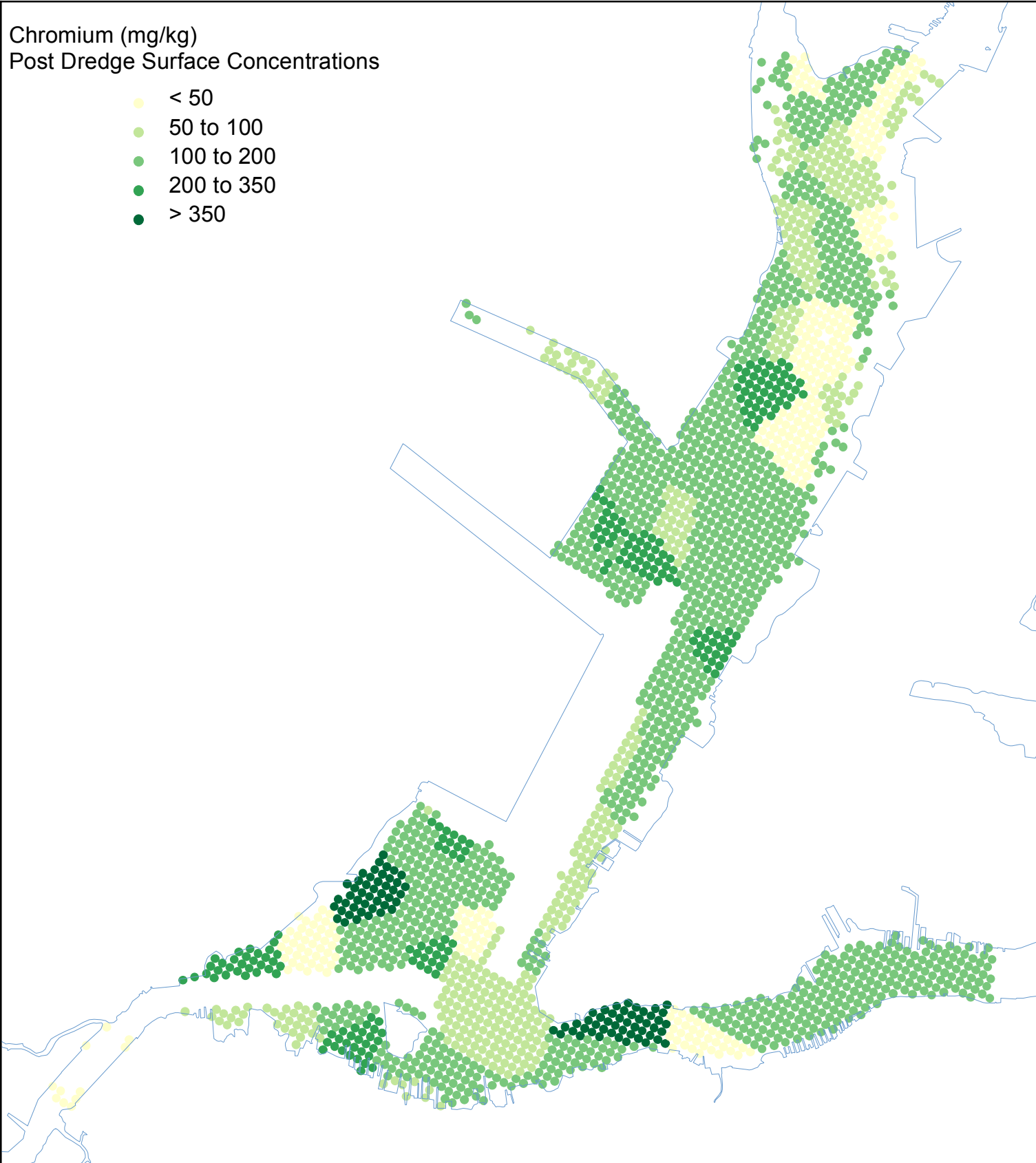
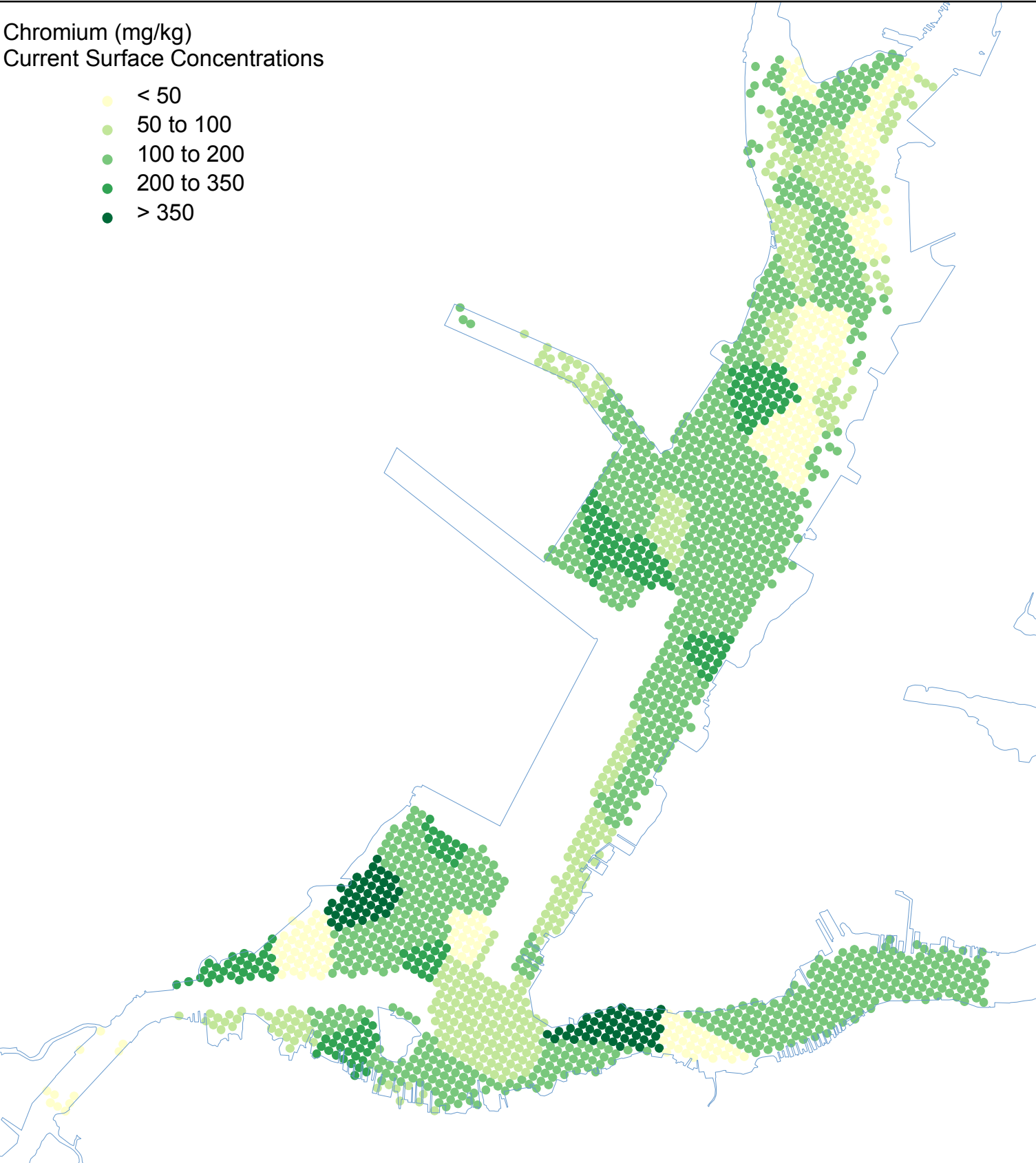
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**Figure 4-18b**  
**Mercury: change in surface sediment**  
**concentrations due to dredging as predicted**  
**by the model, AEC analysis**



**Figure 4-18c. Mercury : Predicted changes in surface sediment concentrations that are greater than the uncertainty threshold, AEC analysis**

*Predicted changes were greater than the uncertainty threshold in points colored pink. Dashed line represents the boundaries of the uncertainty threshold. See text for more details.*



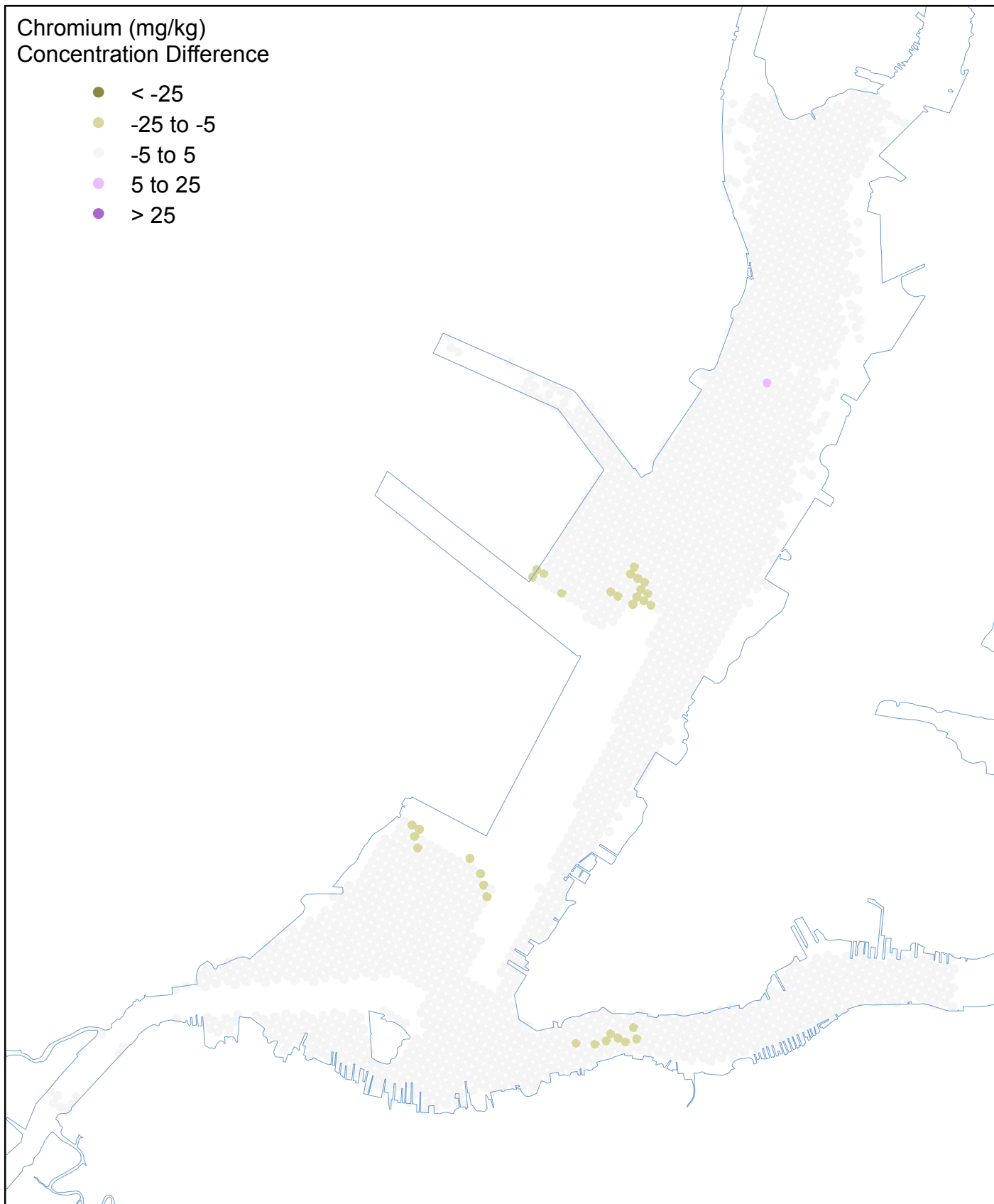
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New York District

Figure 4-19a

Chromium: comparison of existing surface sediment concentrations with post dredging concentrations predicted by the model, AEC analysis

Chromium (mg/kg)  
Concentration Difference

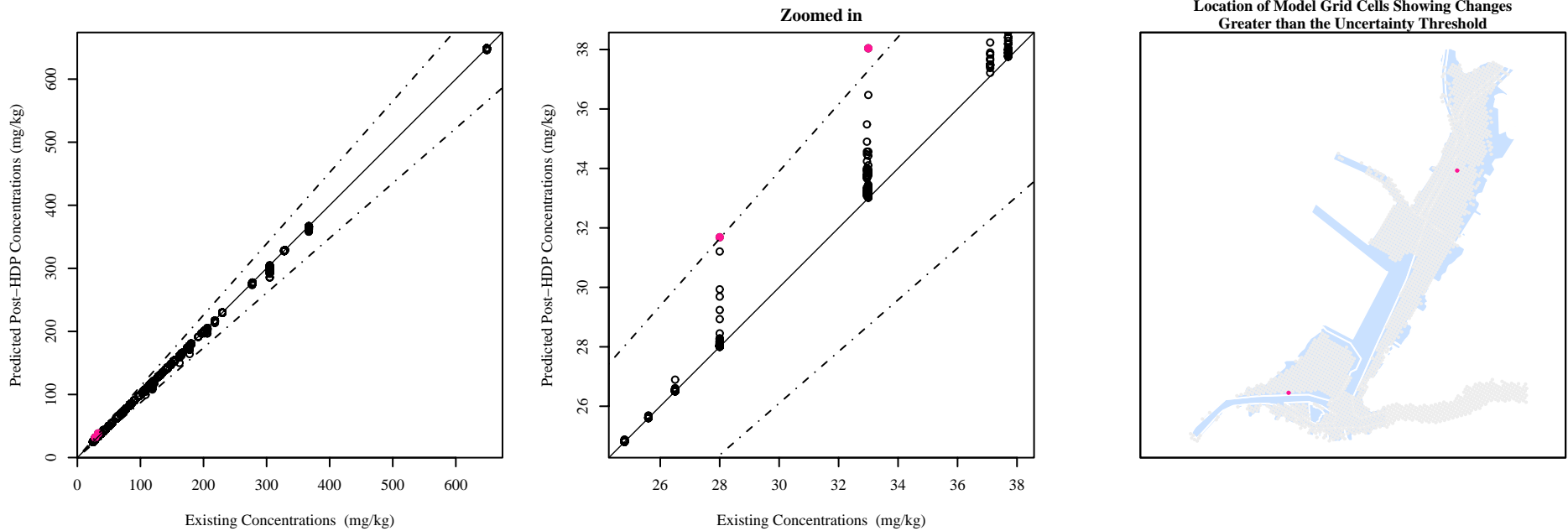
- < -25
- -25 to -5
- -5 to 5
- 5 to 25
- > 25



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**Figure 4-19b**  
**Chromium: change in surface sediment**  
**concentrations due to dredging as predicted**  
**by the model, AEC analysis**





**Figure 4-19c. Chromium : Predicted changes in surface sediment concentrations that are greater than the uncertainty threshold, AEC analysis**

*Predicted changes were greater than the uncertainty threshold in points colored pink. Dashed line represents the boundaries of the uncertainty threshold. See text for more details.*

## Phase II Proposed Sampling Locations

- EPA
- USACE recommended



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**Figure 4-20  
Phase II Proposed  
Sampling Locations**